

Basic Patent Number **KR 2002076545 A**

Patent Assignee LG ELECTRONICS INC (GLDS-C)

Derwent Title **Iridium complex and organic electroluminescent element containing the same**

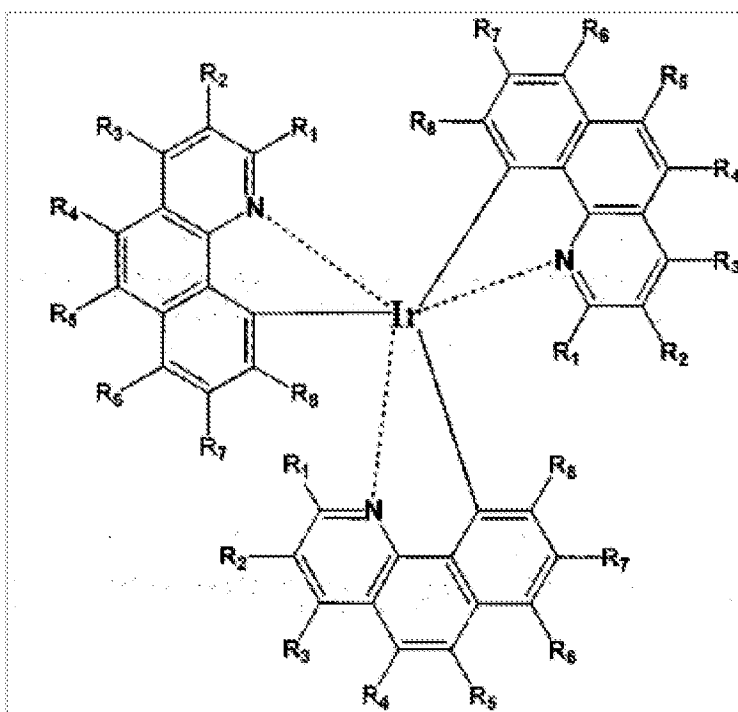
Title Terms IRIDIUM COMPLEX ORGANIC ELECTROLUMINESCENT ELEMENT CONTAIN

Novelty KR-2002076545-A:

Provided are an iridium complex having a benzoquinoline ligand and an organic electroluminescent element containing the iridium complex, which improves stability and has excellent luminescent efficiency.

Detailed Description The iridium complex has the benzoquinoline ligand represented by the formula 1, wherein R1-R8 are identically or differently hydrogen, substituted or unsubstituted C1-C18 alkyl, substituted or unsubstituted C6-C18 aryl, C3-C18 cycloalkyl, aromatic heterocycle, halogen, nitro, cyano, formyl, carboxy, ester, amide, vinyl, substituted vinyl, substituted or unsubstituted acetylene, and etc. And the organic electroluminescent element contains a luminescent layer containing the iridium complex.

Main Drawing KR-2002076545 A



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